

SM'art Melamine Faced Chipboard on CARB 2 particleboard technical data sheet

property	test method	unit of measure	SM'art MFC		
surface defects	EN 14323	mm ² /m ² mm/m	≤ 2 ≤ 20		
scratch resistance	EN 14323	N	≥ 1,5		
stain resistance	EN 14323	level	≥ 3		
cracking resistance	EN 14323	level	≥ 3		
wear resistance	EN 14323	Taber revolution	Class	IP	WR
			1	< 50	< 150
			2	≥ 50	≥ 150
			3A	≥ 150	≥ 350
			3B	≥ 250	≥ 650
thickness tolerance	EN 14323	mm	< 15 mm	15 mm to 20 mm	> 20 mm
one decorative side only			+/- 0,3	+/- 0,3	+/- 0,3
two decorative sides			+/- 0,5	+/- 0,5	+/- 0,5
size tolerance	EN 14323	mm	+/- 5		
flatness	EN 14323	mm/m	≤ 2		
edge damage	EN 14323	mm	≤ 10		
squareness	EN 14323	mm/m	≤ 2		
resistance to impact	EN 14323	N	≤ 10		
density	EN 323	thickness Kg/m ³	8 - 13 mm 670 +/- 7 %	14 - 20 mm 650 +/- 7 %	20 - 25 mm 640 +/- 7 %
tear resistance	EN 319	thickness N/mm ² minimum	8 - 13 mm 0,40	14 - 20 mm 0,35	20 - 25 mm 0,30
flexion resistance	EN 310	thickness N/mm ² minimum	8 - 13 mm 11	14 - 20 mm 11	20 - 25 mm 10,5
elasticity module	EN 310	thickness N/mm ² minimum	8 - 13 mm 1800	14 - 20 mm 1600	20 - 25 mm 1500
screw extraction from the surface	EN 320	N	700 +/- 10 %		
screw extraction from the side	EN 320	N	400 +/- 10 %		
swelling after 2 h	EN 317	%	16		
humidity	EN 322	%	5 - 13		
formaldehyde content	C 93120.2	ppm	CARB 2		
fire reaction on demand	EN 13501		D-s2, d0 B-s2, d0		